

METHOD FOR EXTRACTING TOBACCO ALKALOIDS; REMOVAL OF NICOTINE FROM
CARBON DIOXIDE BY SOLVENT EXTRACTION WITH CARBOXYLIC ACIDS OR THEIR
MONOALKALI OR MONOAMMONIUM SALTS

Document Type: UTILITY

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Abstract:

A method is described for extracting tobacco alkaloids from tobacco in which the tobacco alkaloids are extracted from the tobacco with carbon dioxide under supercritical conditions and the tobacco alkaloids separated from the carbon dioxide, wherein in the carbon dioxide for the

extraction of the tobacco alkaloids from the tobacco is mixed with a solid 2 to 3-basic organic acid having a total of 2 to 6 carbon atoms, a monoalkali or monoammonium salts thereof in order to appreciably shorten the extraction times.

Exemplary Claim:

D R A W I N G

1. A method for extracting tobacco alkaloids from tobacco comprising (a) mixing carbon dioxide with a solid 2- to 3- basic organic acid having a total of 2 to 6 carbon atoms, a monoalkali metal salt or monoammonium salt of said organic acid, or a mixture thereof, to form an extraction solvent; (b) contacting tobacco with said extraction solvent under supercritical conditions to thereby extract tobacco alkaloids from the tobacco; and (c) separating the tobacco alkaloids from said extraction solvent.